10/565,296

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L1 STRUCTURE UPLOADED

=> d
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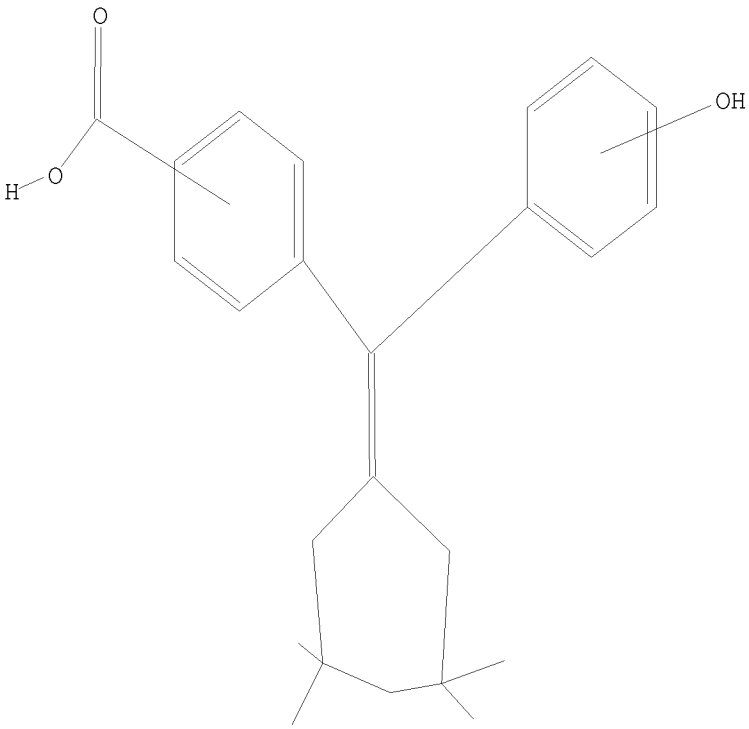
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 10:44:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 68 TO ITERATE

100.0% PROCESSED 68 ITERATIONS 1 ANSWERS
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L2 1 SEA SSS FUL L1

L3 1 L2

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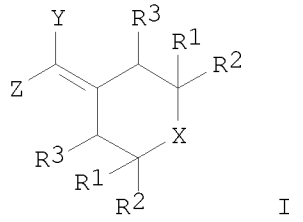
L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:120863 CAPLUS
DOCUMENT NUMBER: 142:219151
TITLE: A preparation of derivatives of cycloalkylidene and (thio)pyranylidene, useful as estrogen receptor modulators
INVENTOR(S): Britton, Jonathan E.; Fang, Jing; Heyer, Dennis; Miller, Aaron Bayne; Navas, Frank, III; Smalley, Terrence Lee, Jr.; Zuercher, William J.; Kalamreddy, Subba Reddy
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
SOURCE: PCT Int. Appl., 189 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2005012220	A2	20050210	WO 2004-US24308		20040727
WO 2005012220	A3	20050324			
WO 2005012220	A9	20050519			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU 2004261627	A1	20050210	AU 2004-261627		20040727
CA 2533812	A1	20050210	CA 2004-2533812		20040727
EP 1667955	A2	20060614	EP 2004-779374		20040727
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR					
BR 2004013013	A	20061003	BR 2004-13013		20040727
CN 1856461	A	20061101	CN 2004-80027954		20040727
JP 2007500705	T	20070118	JP 2006-522021		20040727
NO 2006000403	A	20060206	NO 2006-403		20060125
MX 2006PA01094	A	20060411	MX 2006-PA1094		20060127
IN 2006KN00386	A	20070330	IN 2006-KN386		20060221
US 20070155839	A1	20070705	US 2007-565296		20070215
US 20070213348	A1	20070913	US 2007-748096		20070514
PRIORITY APPLN. INFO.:			US 2003-490588P	P	20030728
			WO 2004-US24308	W	20040727

US 2007-565296 A1 20070215
OTHER SOURCE(S): CASREACT 142:219151; MARPAT 142:219151
GI



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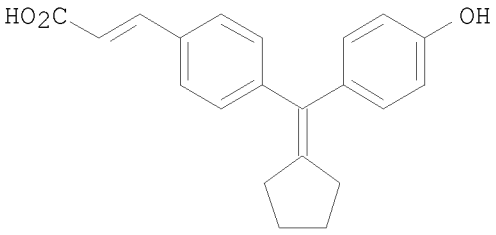


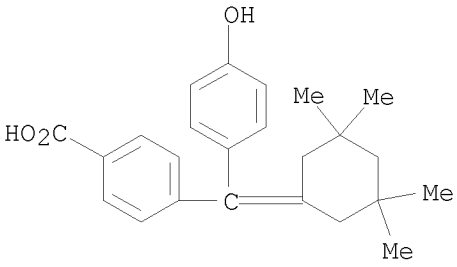
II

AB The invention relates to a preparation of cyclohexane, pyran, or thiopyran of formula I [wherein: Y and Z are independently Ph derivs.; X is O, S, (CH2)0-3; or C(alkyl)2; R1 and R2 are independently selected from H or alkyl; each R3 is H or both R3s together combine to form a bridging alkylene chain], useful as estrogen receptor modulators. For instance, cyclopentylidene derivative II was prepared via acrylation of 4-[(4-bromophenyl)(cyclopentylidene)methyl]phenol by tert-Bu acrylate and subsequent hydrolysis (yields: acrylation - 74%). The compds. of present invention exhibited pIC50 values ranging from 10 μM to 1 nM (competition binding assay).

IT 843661-24-5P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of cycloalkylidene and (thio)pyranylidene derivs. useful as estrogen receptor modulators)

RN 843661-24-5 CAPLUS

CN Benzoic acid, 4-[(4-hydroxyphenyl)(3,3,5,5-tetramethylcyclohexylidene)methyl]- (CA INDEX NAME)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Me
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HO2C
C
Me
Me